

Attorney Docket # 10003787-1

overlying ferroelectric isolation layer having at least one via extending therethrough. [wherein] the via [s] of the ferroelectric isolation layer] being laterally sized larger than the corresponding contact via [s] aligned therewith, a first metal layer disposed over the ferroelectric device level, and an inter-level dielectric level disposed over the first metal level; and a second metal disposed over the inter-level dielectric level.

40. (Previously Added) An integrated circuit, as defined in claim 39, wherein the contact vias are filled with tungsten contact plugs.

41. (Previously Added) An integrated circuit, as defined in claim 40, wherein the ferroelectric capacitors are formed over respective tungsten contact plugs.

Claims 42 – 56 (Cancelled)

57. (Currently Amended) A method of forming an integrated circuit [, as defined in claim 54] comprising:

forming a transistor level comprising one or more semiconductor devices disposed over a substrate and an overlying transistor isolation layer having at least one contact via extending therethrough;

forming a ferroelectric device level over the transistor isolation layer. the ferroelectric layer including at least one ferroelectric capacitor;

forming a first metal layer over the ferroelectric device level;

forming an inter-level dielectric level over the first metal layer;

forming a second metal level over the inter-level dielectric level; and

overlying ferroelectric isolation layer having at least one via extending therethrough, wherein the via [s] of the ferroelectric isolation layer] being laterally sized larger than the corresponding contact via [s] aligned therewith.

58. (Previously Presented) A method of forming an integrated circuit, as defined in claim 57, wherein the contact vias are filled with tungsten contact plugs.

408-553-3063

Attorney Docket # 10003787-1

59. (Previously Presented) A method of forming an integrated circuit, as defined in claim 58, wherein the ferroelectric capacitors are formed over respective tungsten contact plugs.

Claims 60-70 (Cancelled)